

Math-U-Matic®

THE COMPLETE MATH LABORATORY



MATH-U-MATIC CLASSROOM, NORTHWESTERN STATE COLLEGE, ALVA, OKLAHOMA



All Kits Approved
for Purchase Under
N.D.E.A. Title III

THE COMPLETE "MATH-U-MATIC" LABORATORY CLASS ROOM is custom designed to provide both teacher and pupil the finest of instructional facilities. It is coordinated to enable both to work together, closely and efficiently, through all phases of mathematics in the modern "Math-U-Matic" atmosphere.

DISTRIBUTED BY:

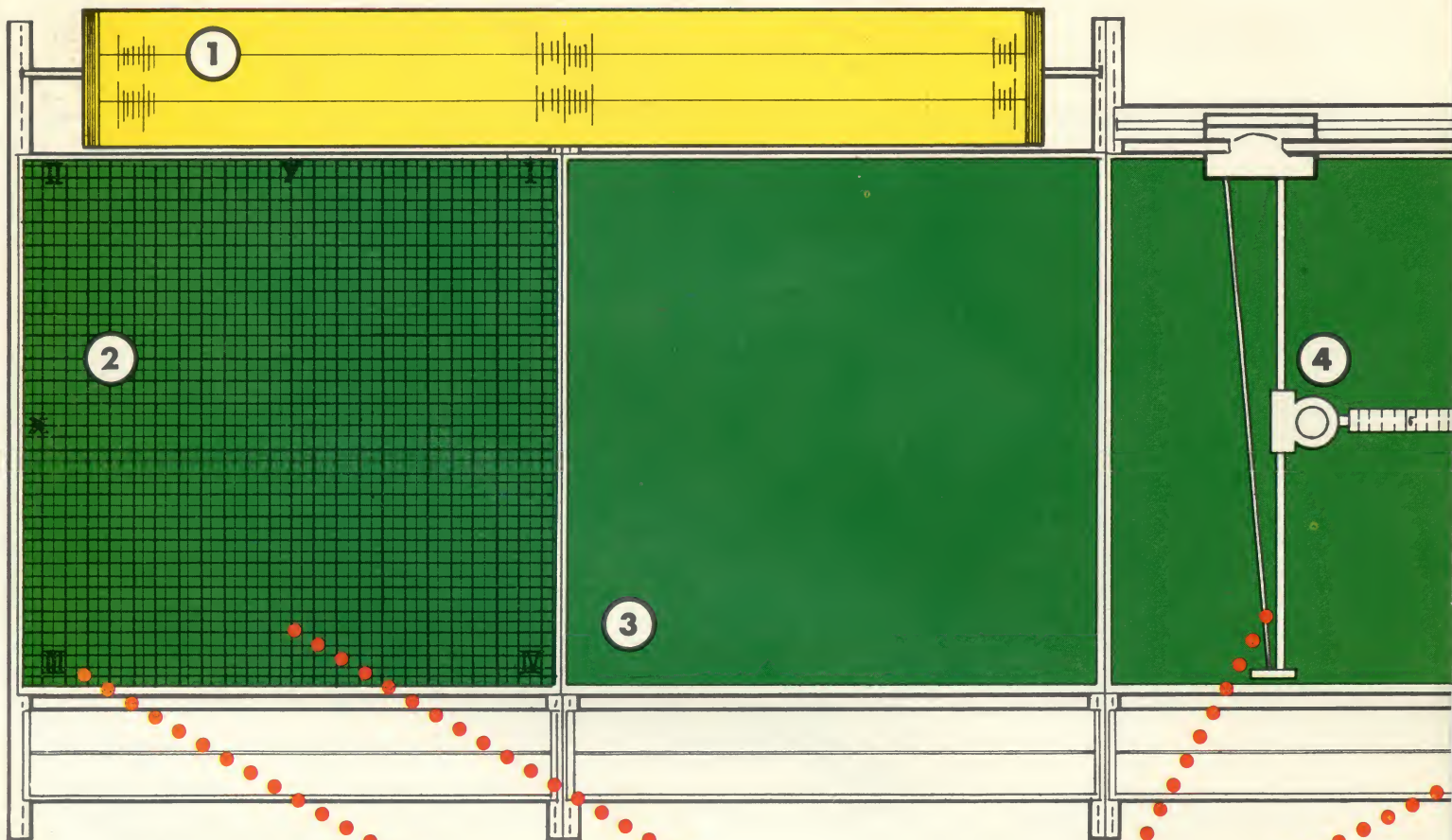
A PRODUCT OF **MATH-U-MATIC, INC.**

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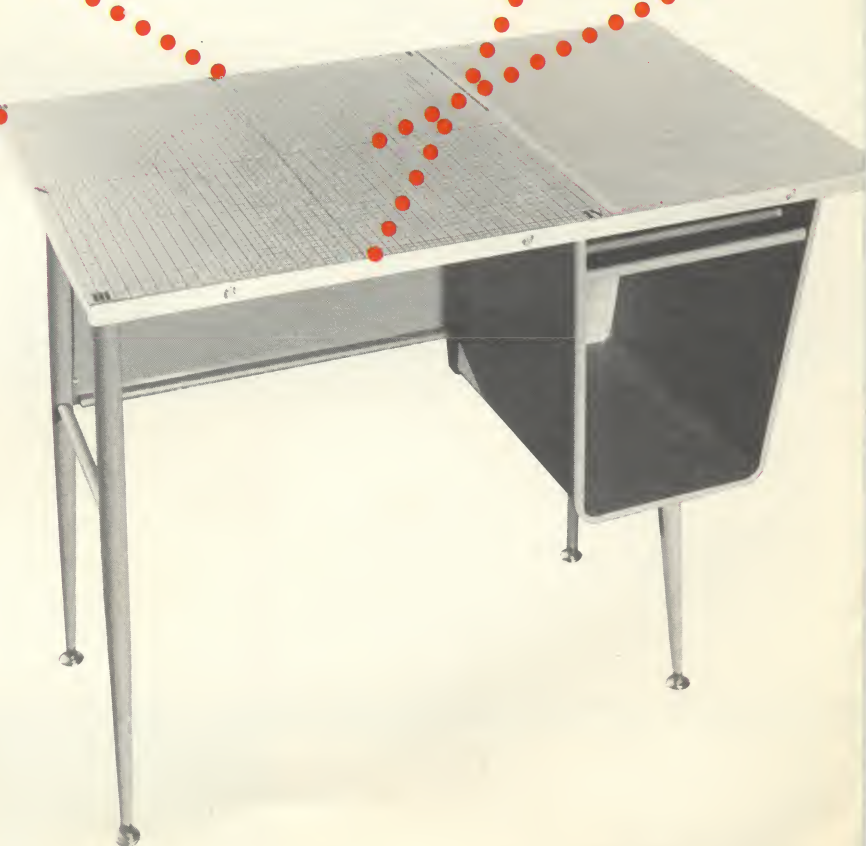
Math-U-Matic® CLASSROOMS .



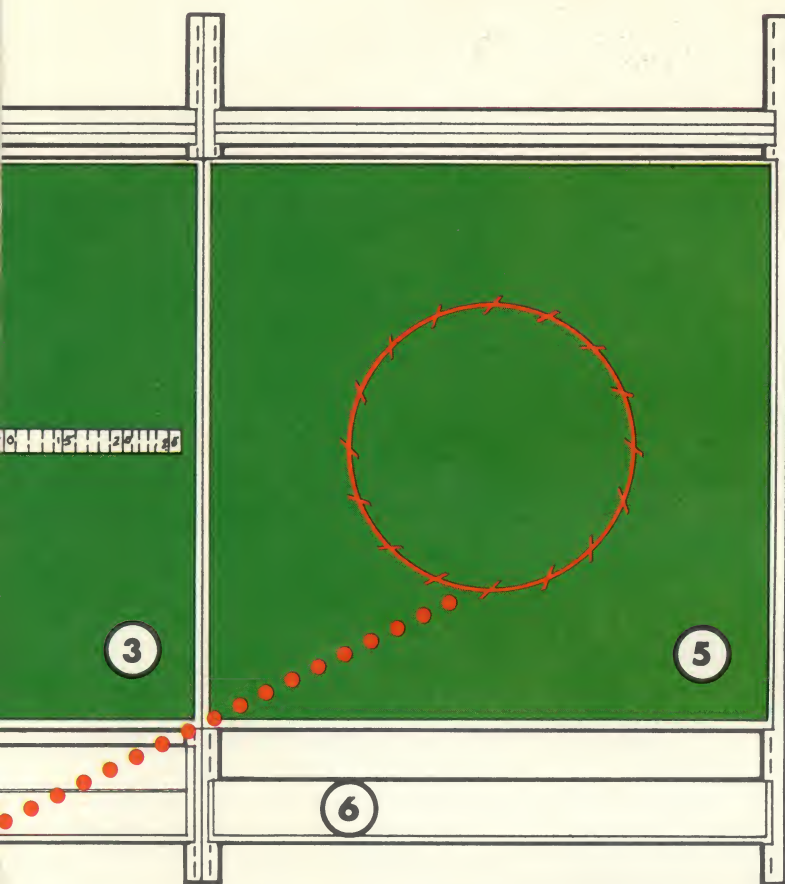
The *Math-U-Matic* laboratory enables students and instructor to work together in complete student understanding and accuracy. Through each step of every example, with MATH-U-MATIC, the student works simultaneously with his instructor because with MATH-U-MATIC, every facility at the front modular panel is represented at the student's desk. This basic teaching principle is the foundation of the MATH-U-MATIC laboratory and is found throughout every teaching facility incorporated in this new, unique, modern method of teaching math.

Every instrument, every piece of furniture and equipment in the MATH-U-MATIC laboratory is the finest available and, in most cases, has been custom designed to meet your every need in this critical science.

Customer satisfaction fully guaranteed.



. . the **complete** math laboratory !



ALL FRONT MODULAR PANELS MAY BE USED WITH MAGNETIC TEACHING DEVICES

Each panel and each instructional instrument incorporated in the MATH-U-MATIC Laboratory is a part of the MATH-U-MATIC FRONT WALL MODULAR system and is independently mounted on aluminum uprights. Each may be adjusted in height for the convenience of the instructor and as governed by the visibility requirements of the students. To insure complete safety, all units are secured by a tension locking device to prevent accidental removal of panels or instruments.

All chalk surfaces are finished in green porcelain enamel. The writing surface resists wear and damage from shock and abrasion and thus will not dent, shatter or crack. It retains its original color, writing and erasing qualities and will not become glossy or shiny in normal school room use, during the *LIFETIME* of the building in which it is installed.

All chalk boards are guaranteed under normal conditions of usage, for the life of the building, in which they are installed in accordance with the manufacturer's instructions. Defective panels will be replaced at no charge to the user.

The MATH-U-MATIC Laboratory features a totally new concept in Front-Wall design for the mathematics classroom. With MATH-U-MATIC, instructors have at their immediate disposal every facility for teaching mathematics at any grade level — ALL FULLY CO-ORDINATED WITH THE STUDENTS' DESK.

- ① An eight foot slide rule, toggle mounted on the FRONT MODULAR WALL, permits immediate use of tables on both sides of this convenient classroom slide rule. An invaluable teaching aid, finished in "Eye Saver Yellow" for excellent visibility throughout the classroom.
- ② A 4' x 4' Magnetic, Modular, Lifetime Steel Chalk Panel, permanently inscribed with two and four inch cross sections for the teaching of such subjects as algebra, geometry, and trigonometry. An anodized aluminum chalk tray is provided.
- ③ Two 4' x 4' Magnetic, Modular, Lifetime Steel Chalk Panels provide a chalkboard work area for computations and detailed information. If additional working space is required, more MATH-U-MATIC Modular Chalk and Bulletin Board Panels may be added to the classroom at any time. An anodized aluminum chalk tray is provided with each chalkboard.
- ④ The Chalk Master Drafting Machine enables accurate, easy and rapid example construction and measurement of angles. This highly precisioned, professional instrument features a unique control system; functional in design, all conveniently located on or around the control head; allowing effortless operation from a standing position; full 360° indexing with automatic accurate 15° stops, released at a touch with the control ring; a conveniently placed finger tip brake control lever locks and releases the vertical position of the protractor head. Also a horizontal motion brake locks and releases the horizontal motion of the protractor head. These two quick setting motion brakes permit horizontal and vertical positioning of the machine at any place on the chalkboard, thus, making it a simple procedure to draw straight lines the entire length or depth of the board in one continuous motion.
- ⑤ A 4' x 4' Magnetic, Modular, Lifetime Steel Chalk Panel, permanently inscribed with polar coordinates, twenty-four inches in diameter, marked off at the accepted fifteen degree intervals of circumference. A chalk tray is provided on this panel for the convenience of the teacher.
- ⑥ Spacious shelves are mounted beneath each Modular Panel for the display and storage of math models and other devices used in the teaching of mathematics.

THE *Math-U-Matic*[®] STUDENT DESK



The MATH-U-MATIC Student Desk is one of the most modern and complete mathematics teaching tools ever to be introduced to the classroom. Every facility at the Student Desk is in direct relationship with the patterns and instructional instruments used at the MATH-U-MATIC FRONT MODULAR WALL. Teacher and pupil work together simultaneously, in a functional, mathematical environment.

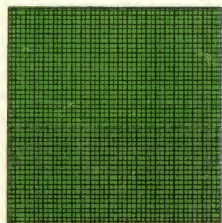
The MATH-U-MATIC Student Desk consists primarily of quadrants and horizontal, vertical and polar coordinates, permanently laminated into the plastic top surface of the desk. With the MATH-U-MATIC pencil, the student may write and construct angles, right on the surface of the desk. This pencil is easily erased with a standard art gum eraser. This is an example of the ease in which a student may follow the instructor through step by step mathematical procedures without the time consuming necessity of passing out graphs, charts, etc., disrupting classroom procedures and reducing the productivity of the math student's hour.

The MATH-U-MATIC Student Desk can be used with T Squares and Triangles for plotting problems and working solutions. A metal edge is provided at the bottom edge of the desk for use with triangles and other plotting instruments.

The working surface of the MATH-U-MATIC Student Desk is twenty by thirty-three inches, consisting of a twenty by twenty inch plotting pattern and a twenty by thirteen inch plain working surface. This convenient size provides ample working area for the student, yet allows 30 or more desks to be used in the standard size classroom.

FOR EVEN BETTER *Math-U-Matic*[®] TEACHING

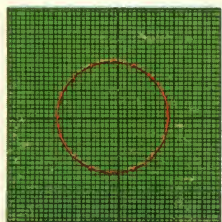
Exclusive MATH-U-MATIC TEACHING TRANSPARENCIES



Quadrants, x & y axis,
and square coordinates.



Polar coordinates
marked at 15° intervals
of circumference.



Identical to pattern im-
printed on student desk.

INCLUDE THE MATH INSTRUCTORS DESK AND *Exclusive* MATH-U-MATIC TEACHING TRANSPARENCIES

A highly versatile, completely self contained, mathematics teaching center permits the instructor to project math transparencies, various math models, and conduct interesting demonstrations in a lighted classroom, while maintaining constant eye contact with the class.

This full size teachers desk with built in overhead projector will prove an invaluable teaching aid in the MATH-U-MATIC classroom.

A Da-Lite screen, mounted on special brackets to eliminate keystoneing and afford clear visibility from the back of the room, allows the students to view the transparencies, while the teacher talks from her desk.



**MATH-U-MATIC 10" x 10" Overhead Projection Transparencies
correspond directly with math patterns at student desk.**